SILVERSTONE®
Designing Inspiration

Expansion Cards **ECU01**

PCI Gen2.0 X 2 throughput 10Gbps

MANUAL

Installation and system optimization guide:

The following manual and guides were carefully prepared by the SilverStone engineering team to help you maximize the potential of your SilverStone product. Please keep this manual for future reference when upgrading or performing maintenance on your system. A copy of this manual can also be downloaded from our website at:

http://www.silverstonetek.com

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Product Overview

Introduction

The SilverStone ECU01 is the world's first PCI-E Gen 2.0 x2 expansion card with two internal 19pin USB3.0 connectors. With its 10Gbps bandwidth, it offers more stable and faster transfer rate when multiple external USB devices are in use simultaneously.

The ECU01 supports UASP (USB Attached SCSI Protocol), which enables enhanced performance. Even for users who can't benefit from UASP, an included "Turbo Boost" driver can offer similar enhanced performance to make ECU01 the best choice for anyone looking to expand and maximize their USB 3.0 devices!

Features

SuperSpeed USB3.0 built-in 19pin connector x2

Support Low profile chassis

Support UASP and Turbo driver

Specifications

Model No.	ECU01
Power requirement	5V via SATA 15pin power connector
Form Factor	Low profile - PCI Express 2.0 x2 (10Gbps)
USB 3.0 controller	Etron EJ198
USB Ports	Two internal 19pin connectors (4 ports)
Transfer speed	USB 3.0 (5Gbps), USB 2.0 (480Mbps), USB 1.1 (12Mbps)
Extra	UASP and Turbo Boost

(1)

ENGLISH

Install ECU01 into PCIe slot on the motherboard

DEUTSCH

Installieren Sie die ECU01 im PCIe-Steckplatz des Motherboards

FRANÇAIS

Installez le ECU01 dans un emplacement PCIe de la carte mère.

ESPAÑOL

Instale el ECU01 en el zócalo PCIe de la placa base

ITALIANO

Inserisci ECU01 nello slot PCIe della scheda madre

РУССКИЙ

Установите плату ECU01 в гнездо PCIe материнской платы

繁體中文

將ECU01 安裝於主機板上的PCI-E插槽

簡体中文

将ECU01 安装于主机板上的PCI-E插槽

日 本 語

ECU01 をマザーボードのPCIeスロットにインストールします

한 국 어

ECU01 을 메인보드의 PCIe 슬롯에 장착합니다

(2)

ENGLISH

Connect to 15pin SATA power connector

DEUTSCH

Schließen Sie den 15pin SATA-Netzstecker an

FRANÇAIS

Branchez le cordon d'alimentation SATA 15Pin

ESPAÑOL

Conecte el SATA 15Pin en el conector depotencia

ITALIANO

Connett il SATA 15Pin alla presa d'alimentazione

РУССКИЙ

ПрПодсоедините 15-контактный разъем питания SATA

繁體中文

請將15pin SATA電源線接上

簡体中文

请将15pin SATA电源线接上

日 本 語

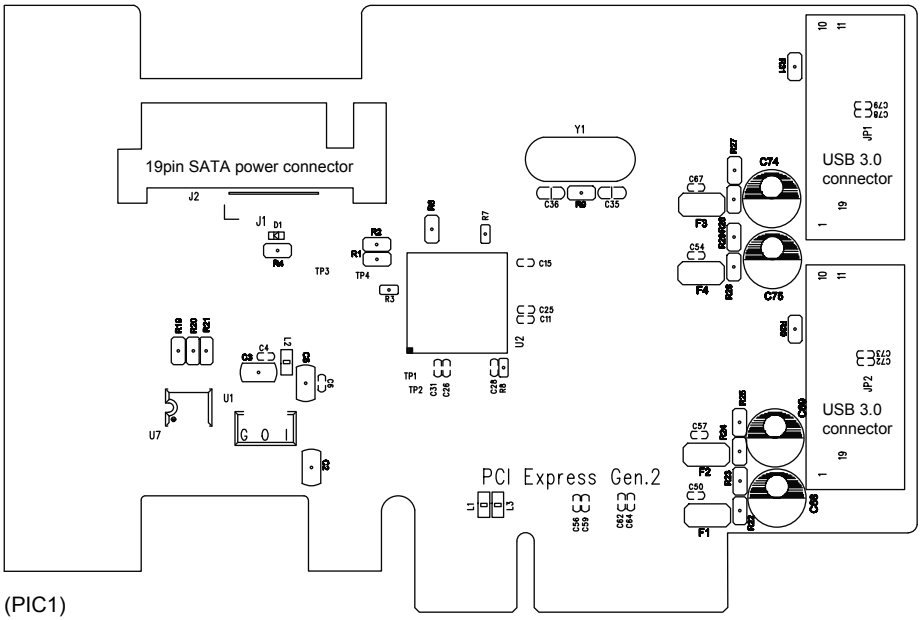
SATA 15Pin電源コネクタを接続します

한 국 어

SATA 15Pin 파워 커넥터를 연결합니다

Installation

(3)



(PIC1)

ENGLISH

Plug internal 19P dual port USB 3.0 connector
(refer PIC1)

DEUTSCH

Schließen Sie den 19-poligen internen Dual-Port- USB 3.0-Stecker an
(vgl. Abb. 1)

FRANÇAIS

Branchez le connecteur USB 3.0 à double port interne 19P
(voir image 1)

ESPAÑOL

Conecte el puerto dual 19P al conector USB 3.0
(consulte la IMAGEN1)

ITALIANO

Connetti la doppia porta interna 19P USB 3.0
(refer PIC1)

РУССКИЙ

Подсоедините внутренний 19-контактный разъем для двух портов USB 3.0
(см. рисунок 1)

繁體中文

連接內接19pin USB 3.0線材
（請參考圖一）

簡体中文

连接内接19pin USB 3.0线材
（请参考图一）

日 本 語

内蔵19PデュアルポートUSB 3.0コネクタを接続します
（図1. 参照）

한 국 어

내부 19P 듀얼 포트 USB 3.0 커넥터를연결합니다
(PIC 1 참조)

(4)

ENGLISH

Install Etron USB 3.0 host controller driver

DEUTSCH

Installieren Sie den USB 3.0-Host-Controller-Treiber von Etron

FRANÇAIS

Installez le pilote du contrôleur hôte Etron USB 3.0

ESPAÑOL

Instale el controlador Etron USB 3.0

ITALIANO

Installa il driver Etron USB 3.0 host controller

РУССКИЙ

Установите драйвер хост-контроллера Etron USB 3.0

繁體中文

安裝Etron USB 3.0 host controller 驅動程式

簡体中文

安装Etron USB 3.0 host controller 驱动程序

日 本 語

EtronのUSB 3.0ホストコントローラドライバをインストールしてください

한 국 어

Etron USB 3.0 호스트 컨트롤러 드라이버를 설치합니다

(5)

ENGLISH

After above installation, you will find the Etron USB 3.0 Extensible Host Controller in the device manager

DEUTSCH

Nach der obigen Installation finden Sie den USB 3.0-Host-Controller von Etron im Geräte-Manager

FRANÇAIS

Après l'installation ci-dessus, vous trouverez le contrôleur hôte Etron USB 3.0 dans le gestionnaire de périphériques

ESPAÑOL

Tras la instalación anterior, encontrará el controlador Etron USB 3.0 en el administrador de dispositivos

ITALIANO

Dopo l'installazione del driver, troverai Etron USB 3.0 host controller in gestione periferiche

РУССКИЙ

После установки указанного выше драйвера хост-контроллер Etron USB 3.0 отобразится в диспетчере устройств

繁體中文

安裝完成後，在硬體管理員列表中可看見
Etron USB 3.0 Extensible Host Controller

簡体中文

安装完成后，在硬件管理员列表中可看见
Etron usb 3.0 Extensible Host Controller

日 本 語

上記インストール後、デバイスマネージャにはEtron USB 3.0 ホストコントローラが表示されます

한 국 어

위의 설치 후, 장치관리자에서 Etron USB 3.0 호스트 컨트롤러를 확인할 수 있습니다

Installation

(6)

ENGLISH

Plug your USB 3.0 device and enjoy the 5Gbit/s USB 3.0 super speed transfer speed

DEUTSCH

Schließen Sie Ihr USB 3.0-Gerät an und genießen die USB 3.0-Super-SpeedÜbertragungsgeschwindigkeit von 5 Gbit/s

FRANÇAIS

Branchez vos appareils USB 3.0 et profitez de la super vitesse de transfert de 5Gbit/s

ESPAÑOL

Conecte el dispositivo USB 3.0 y disfrutede la transferencia de alta velocidad USB 3.0 de 5Gbit/s

ITALIANO

Connetti pure la tua periferica USB 3.0 ed apprezza la super velocità di trasferimento dati di ben 5Gbit/s

РУССКИЙ

Подключите устройство с интерфейсом USB 3.0 и передавайте данные на высокой скорости до 5 Гбит/с через разъем USB 3.0

繁體中文

連接USB 3.0裝置並開始享受高速傳輸速度

簡体中文

连接USB 3.0装置并开始享受高速传输速度

日 本 語

お持ちのUSB 3.0装置を接続して、5Gbit/sというUSB 3.0の超高速データ転送速度が実感できます

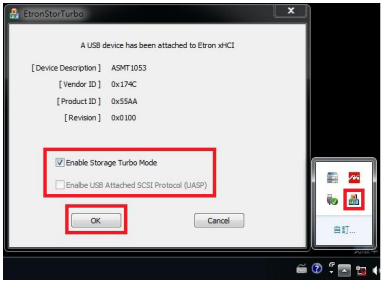
한 국 어

USB 3.0 장비를 연결한 후 5Gbit/s USB 3.0 초고속 전송 속도를 즐기십시요

(7) Turbo Boost

Page1
SILVERSTONE®
Designing Inspiration
The SilverStone ECU01 is the world's first PCI-E Gen 2.0 x2 expansion card with two internal 10pin USB3.0 connectors. With its 10Gbps bandwidth, it offers more stable and faster transfer rate when multiple external USB devices are in use simultaneously.
The ECU01 supports UASP (USB Attached SCSI Protocol), which enables enhanced performance. Even for users who can't benefit from UASP, an included "Turbo Boost" driver can offer similar enhanced performance to make ECU01 the best choice for anyone looking to expand and maximize their USB 3.0 devices!
Manual
Driver
Turbo Boost
BACK

A


EtronStorTurbo
A USB device has been attached to Etron xHCI
[Device Description] ASMT1053
[Vendor ID] 0x174C
[Product ID] 0x55AA
[Revision] 0x0100
Enable Storage Turbo Mode
Enalbe USB Attached SCSI Protocol (UASP)
OK
Cancel

B

(5)

ENGLISH

A. Install “Turbo Boost” driver included in ECU01’s optical disc
B. Click on “Turbo boost” icon to open the utility. If your computing environment supports UASP (USB Attached SCSI Protocol), then click its option to enable it. If UASP isn’t available, choose “Turbo Mode” to increase performance.

DEUTSCH

A. Installieren Sie den „Turbo Boost“-Treiber auf dem optischen ECU01-Datenträger
B. Klicken Sie zum Öffnen des Dienstprogrammes auf das „Turbo Boost“-Symbol. Falls Ihre Computing-Umgebung UASP (USB Attached SCSI Protocol) unterstützt, klicken Sie zum Aktivieren bitte auf die Option. Falls UASP nicht verfügbar ist, wählen Sie zur Leistungssteigerung „ Turbo Mode“.

FRANÇAIS

A. Installez le pilote "Turbo Boost" inclus sur le disque optique du ECU01
B. Cliquez sur l'icône "Turbo Boost" pour ouvrir l'utilitaire. Si votre système prend en charge UASP (le protocole 'USB Attached SCSI'), alors cliquez sur son option pour l'activer. Si UASP n'est pas disponible, choisissez "Mode Turbo" pour augmenter les performances.

ESPAÑOL

A. Instale el controlador “Turbo Boost” incluido en el disco óptico del ECU01
B. Haga clic en el icono “Turbo Boost” para abrir la utilidad. Si su ordenador acepta UASP (Protocolo SCSI Asociado a USB), entonces haga clic en su opción para habilitarlo. Si el UASP no está disponible, escoja el “Turbo Mode” para aumentar el rendimiento.

ITALIANO

A. Installare il driver “Turbo Boost” incluso nel disco ottico di ECU01
B. Fare clic sull'icona “Turbo Boost” per aprire l'utilità. Se l'ambiente supporta il protocollo UASP (USB Attached SCSI Protocol), selezionare l'opzione per attivarlo. Se il protocollo UASP non è disponibile, scegliere “Turbo Mode” per aumentare le prestazioni.

РУССКИЙ

A. Установите драйвер "Turbo Boost" включены в оптическом диске ECU01 в драйвер
B. Чтобы открыть утилиту, нажмите на значок "Turbo Boost". Если в вашей системе поддерживается протокол UASP (USB Attached SCSI Protocol), установите этот флажок. В противном случае выберите режим "Turbo Mode", чтобы повысить производительность.

繁體中文

A. 啟用Turbo Boost功能，請由ECU01所附的光碟片中安裝Turbo Boost驅動程式
B. 點選Turbo Boost圖示以啟用工作選單。如果您的電腦支援UASP (USB Attached SCSI Protocol)傳輸協定，請點擊此勾選此選項。如果您的電腦並不支援UASP協定，請點擊勾選Turbo Mode可增進傳輸工作效能

簡体中文

A. 启用Turbo Boost功能，请由ECU01所附的光盘片中安装Turbo Boost驱动程序
B. 点选Turbo Boost图示以启用工作选单。如果您的计算机支持UASP (USB Attached SCSI Protocol)传输协议，请点击此勾选此选项。如果您的计算机并不支持UASP协议，请点击勾选Turbo Mode可增进传输工作效能

日 本 語

A. ECU01の光学ディスクに収録されている「Turbo Boost（ターボブースト）」ドライバをインストールします
B. 「Turbo Boost」アイコンをクリックすると、ユーティリティが起動します。ご使用のコンピューター環境がUASP (USB Attached SCSI Protocol)に対応の場合は、そのオプションをクリックして有効にします。UASPが利用可能でない場合は、「Turbo Mode（ターボモード）」を選択すると、パフォーマンスが向上します

한 국 어

A. ECU01의 광 디스크에 포함된 “Turbo Boost(터보 부스트)” 드라이버 설치하기
B. “Turbo Boost(터보 부스트)” 아이콘을 클릭하여 유틸티리를 엽니다. 컴퓨팅 환경이 UASP(USB 연결 SCSI 프로코콜)를 지원하면 이 옵션을 클릭하여 활성화합니다. UASP를 사용할 수 없는 경우 “Turbo Mode(터보 모드)”를 선택하여 성능을 높입니다.

Warranty

This product has a limited 1 year warranty in North America and Australia.
For information on warranty periods in other regions, please contact your reseller or SilverStone authorized distributor.

Warranty terms & conditions

1. Product component defects or damages resulted from defective production is covered under warranty.
   Defects or damages with the following conditions will be fixed or replaced under SilverStone Technology's jurisdiction.
a) Usage in accordance with instructions provided in this manual, with no misuse, overuse, or other inappropriate actions.
b) Damage not caused by natural disaster (thunder, fire, earthquake, flood, salt, wind, insect, animals, etc…)
c) Product is not disassembled, modified, or fixed. Components not disassembled or replaced.
d) Warranty mark/stickers are not removed or broken.
   Loss or damages resulted from conditions other than ones listed above are not covered under warranty.

2. Under warranty, SilverStone Technology's maximum liability is limited to the current market value for the product (depreciated value, excluding shipping, handling, and other fees). SilverStone Technology is not responsible for other damages or loss associated with the use of product.

3. Under warranty, SilverStone Technology is obligated to repair or replace its defective products. Under no circumstances will SilverStone Technology be liable for damages in connection with the sale, purchase, or use including but not limited to loss of data, loss of business, loss of profits, loss of use of the product or incidental or consequential damage whether or not foreseeable and whether or not based on breach of warranty, contract or negligence, even if SilverStone Technology has been advised of the possibility of such damages.

4. Warranty covers only the original purchaser through authorized SilverStone distributors and resellers and is not transferable to a second hand purchaser.

5. You must provide sales receipt or invoice with clear indication of purchase date to determine warranty eligibility.

6. If a problem develops during the warranty period, please contact your retailer/reseller/SilverStone authorized distributors or SilverStone **http://www.silverstonetek.com**.
   Please note that: (i) You must provide proof of original purchase of the product by a dated itemized receipt; (ii) You shall bear the cost of shipping (or otherwise transporting) the product to SilverStone authorized distributors. SilverStone authorized distributors will bear the cost of shipping (or otherwise transporting) the product back to you after completing the warranty service; (iii) Before you send the product, you must be issued a Return Merchandise Authorization ("RMA") number from SilverStone. Updated warranty information will be posted on SilverStone's official website. Please visit **http://www.silverstonetek.com** for the latest updates.

Additional info & contacts

For North America (usasupport@silverstonetek.com)
SilverStone Technology in North America may repair or replace defective product with refurbished product that is not new but has been functionally tested. Replacement product will be warranted for remainder of the warranty period or thirty days, whichever is longer. All products should be sent back to the place of purchase if it is within 30 days of purchase, after 30 days, customers need to initiate RMA procedure with SilverStone Technology in USA by first downloading the "USA RMA form for end-users" form from the below link and follow its instructions.
http://silverstonetek.com/contactus.php

For Australia only (support@silverstonetek.com)
Our goods come with guarantees that cannot be excluded under the Australian Consumer Law.
You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage.
You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
Please refer to above "Warranty terms & conditions" for further warranty details.

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